SOIP0970**00

FIG.1

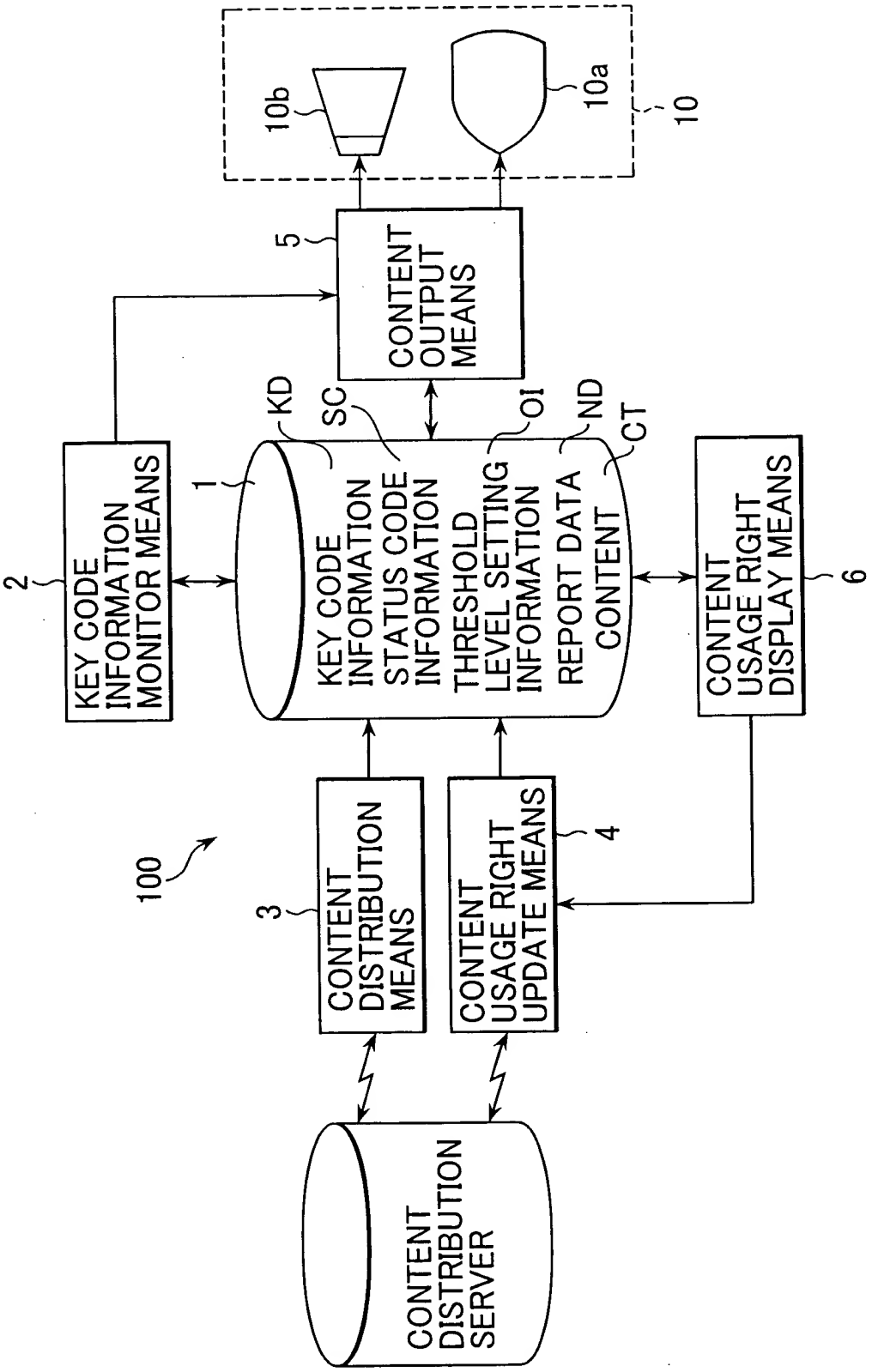


FIG.2A

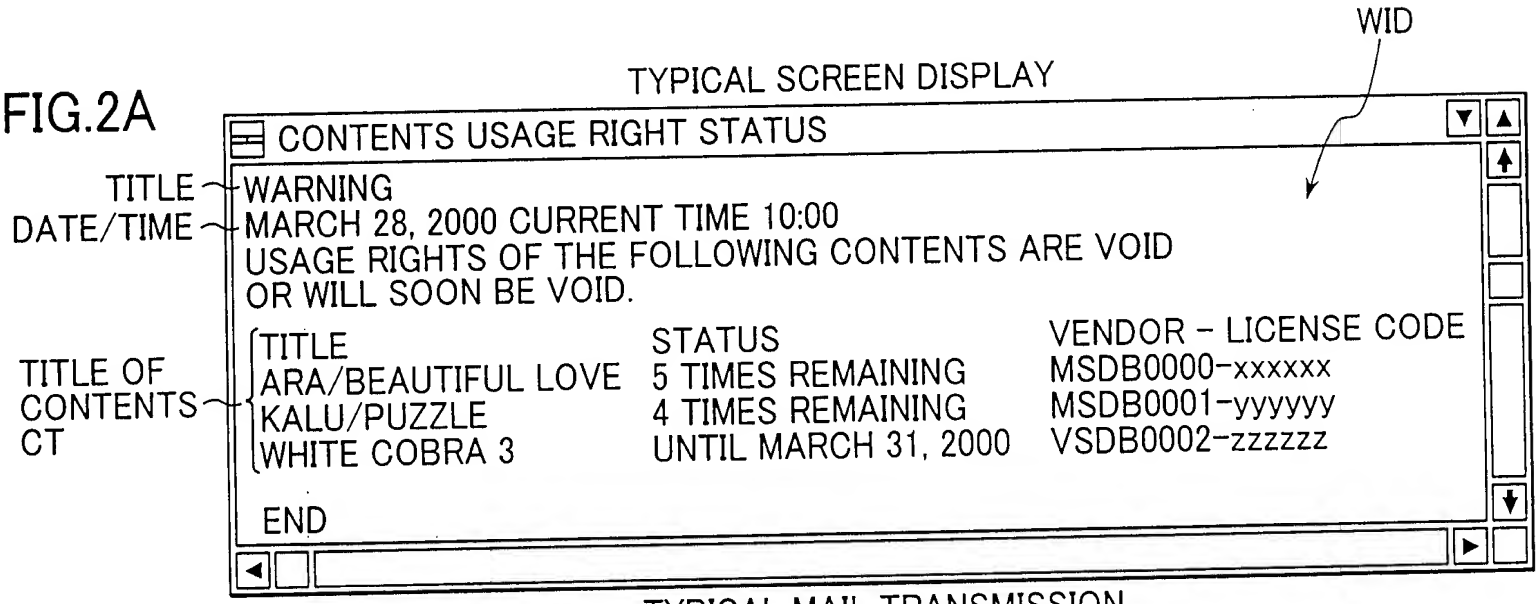

TYPICAL SCREEN DISPLAY
WID
CONTENTS USAGE RIGHT STATUS
TITLE
DATE/TIME
TITLE OF CONTENTS CT
WARNING
MARCH 28, 2000 CURRENT TIME 10:00
USAGE RIGHTS OF THE FOLLOWING CONTENTS ARE VOID OR WILL SOON BE VOID.
TITLE
STATUS
VENDOR - LICENSE CODE
ARA/BEAUTIFUL LOVE
5 TIMES REMAINING
MSDB0000-xxxxxx
KALU/PUZZLE
4 TIMES REMAINING
MSDB0001-yyyyyy
WHITE COBRA 3
UNTIL MARCH 31, 2000
VSDB0002-zzzzzz
END

FIG.2B

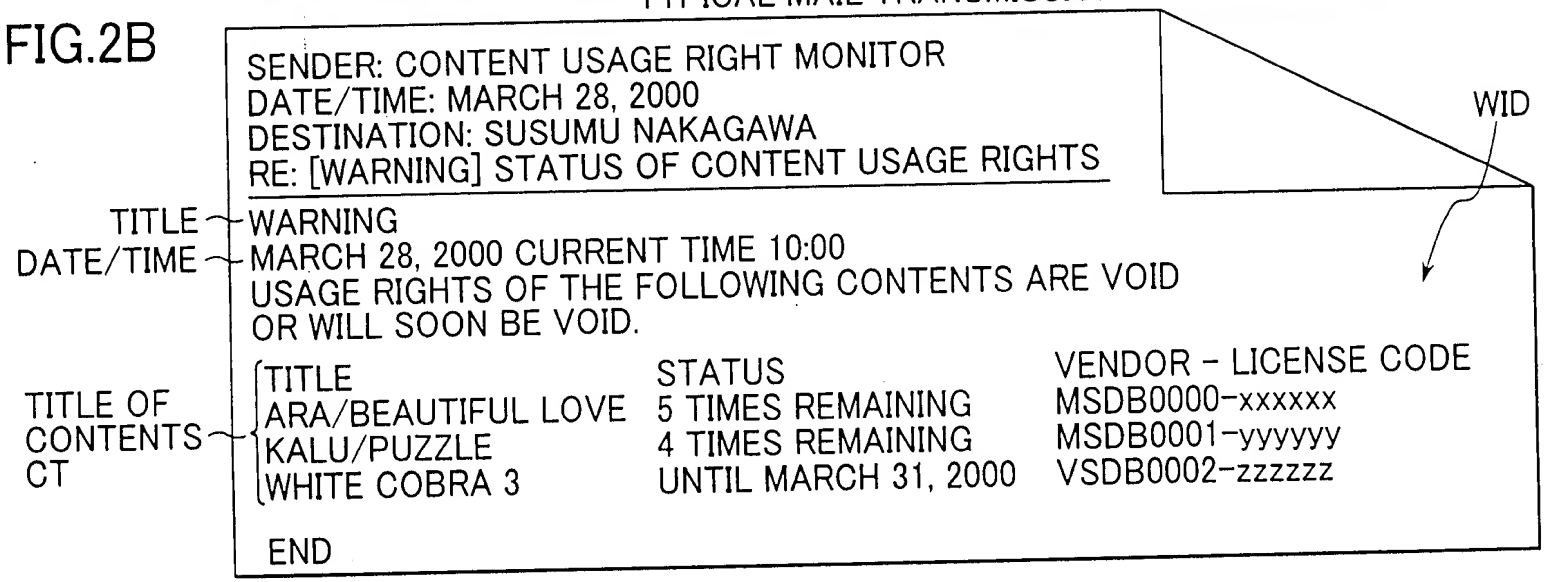

TYPICAL MAIL TRANSMISSION
WID
SENDER: CONTENT USAGE RIGHT MONITOR
DATE/TIME: MARCH 28, 2000
DESTINATION: SUSUMU NAKAGAWA
RE: [WARNING] STATUS OF CONTENT USAGE RIGHTS
TITLE
DATE/TIME
TITLE OF CONTENTS CT
WARNING
MARCH 28, 2000 CURRENT TIME 10:00
USAGE RIGHTS OF THE FOLLOWING CONTENTS ARE VOID OR WILL SOON BE VOID.
TITLE
STATUS
VENDOR - LICENSE CODE
ARA/BEAUTIFUL LOVE
5 TIMES REMAINING
MSDB0000-xxxxxx
KALU/PUZZLE
4 TIMES REMAINING
MSDB0001-yyyyyy
WHITE COBRA 3
UNTIL MARCH 31, 2000
VSDB0002-zzzzzz
END

FIG.3A

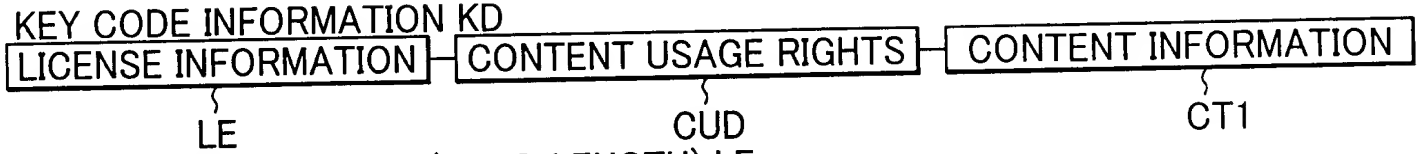



FIG.3B

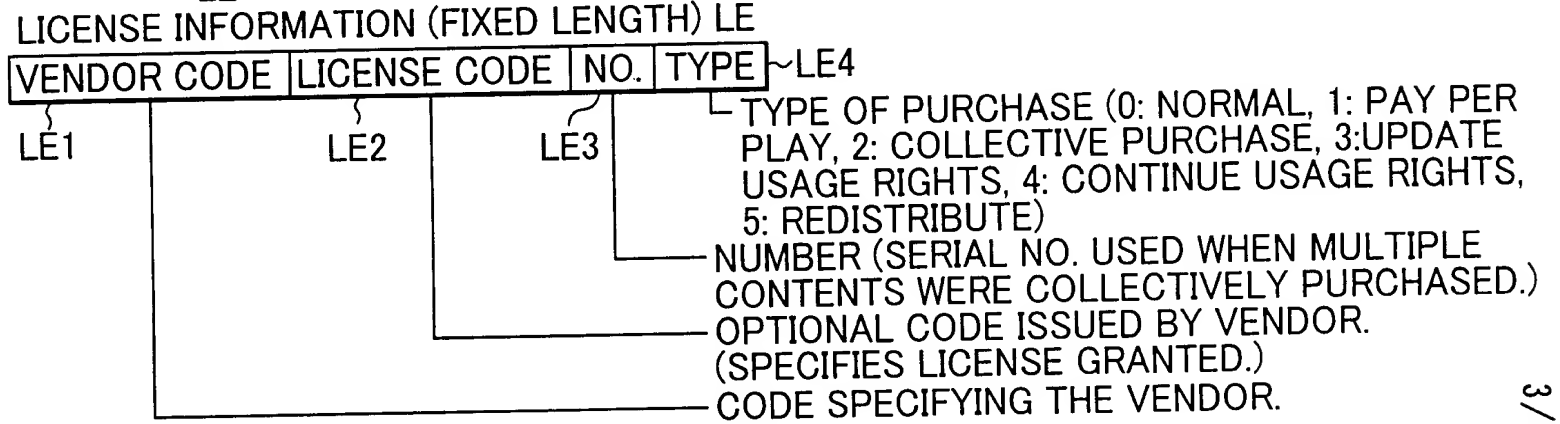



FIG.3C

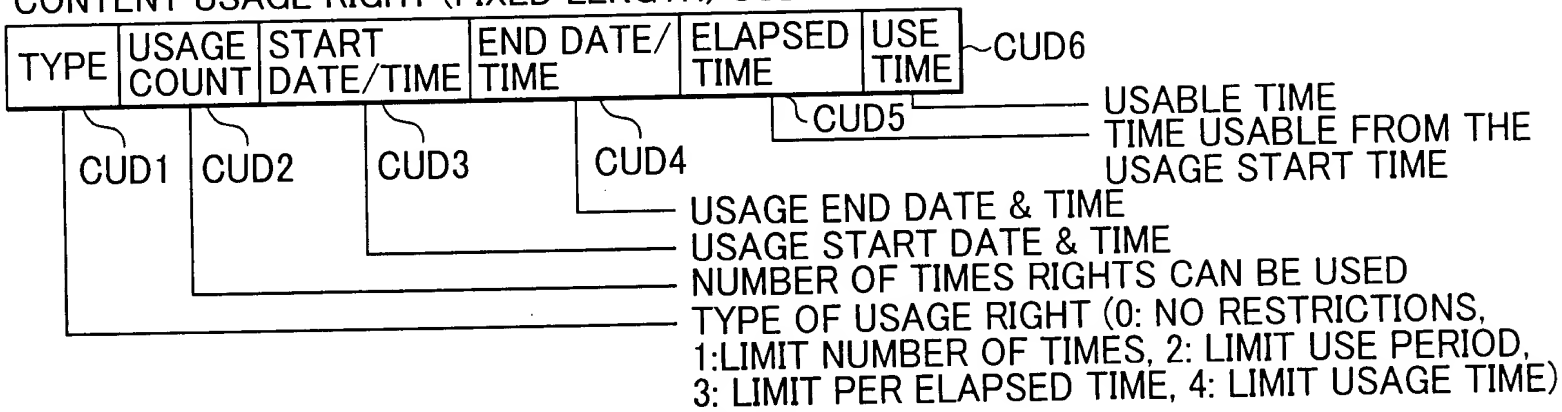



FIG.3D

FIG.4A

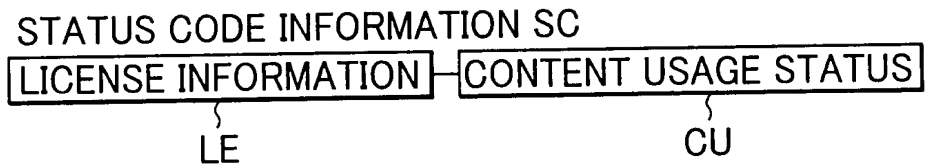



FIG.4B

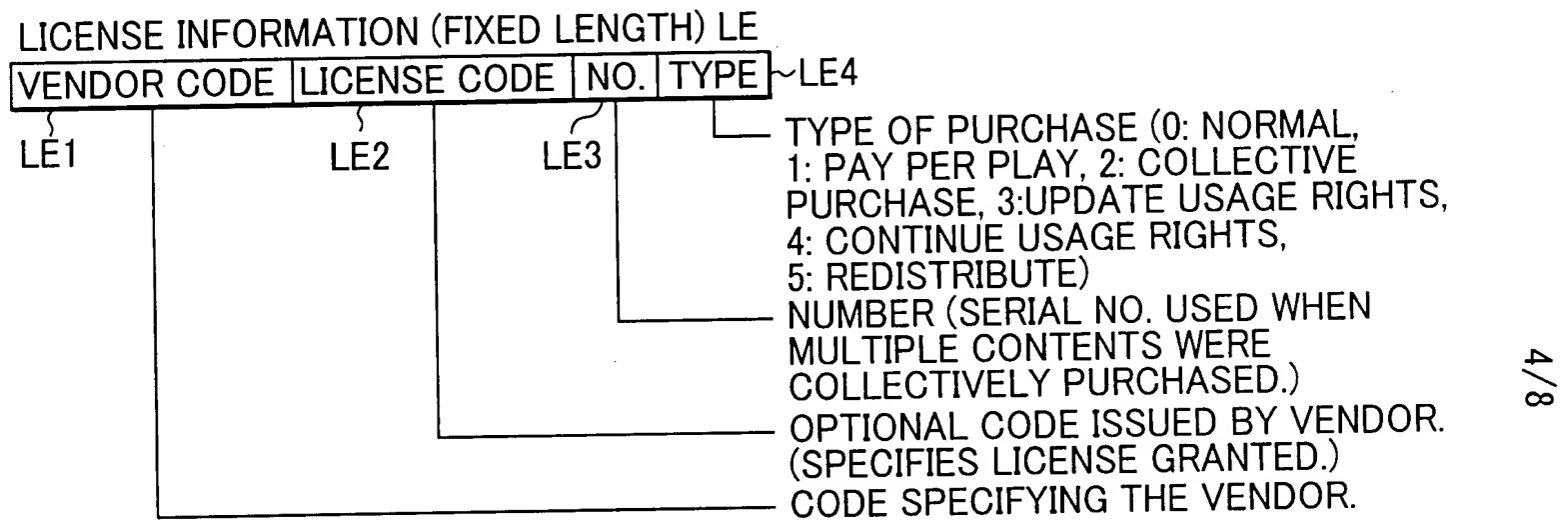



FIG.4C

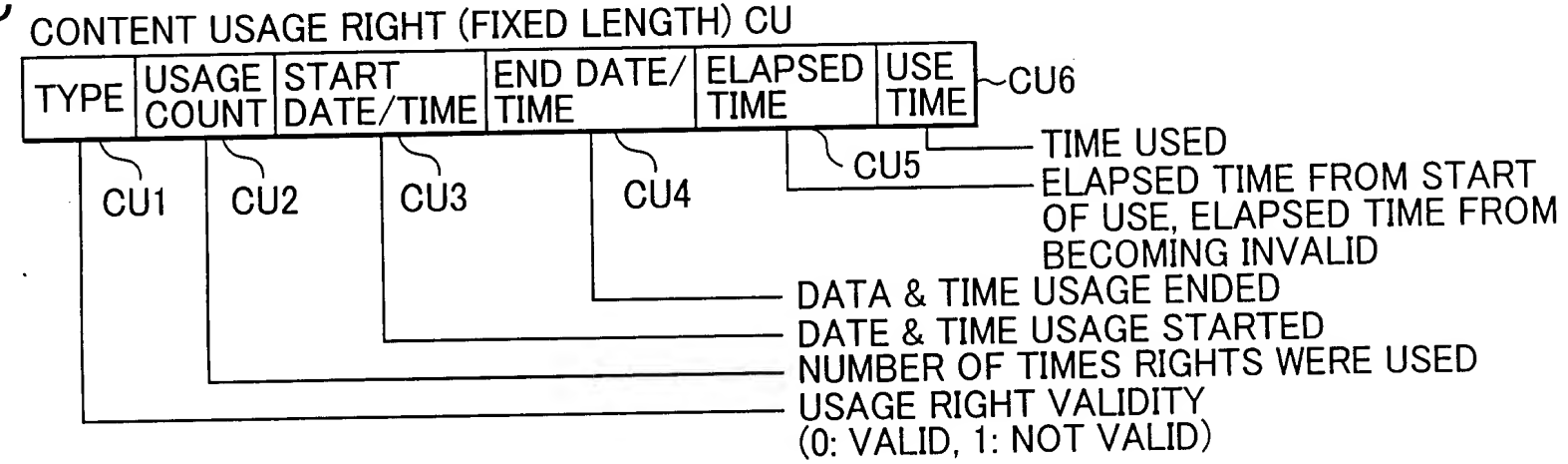


FIG.5

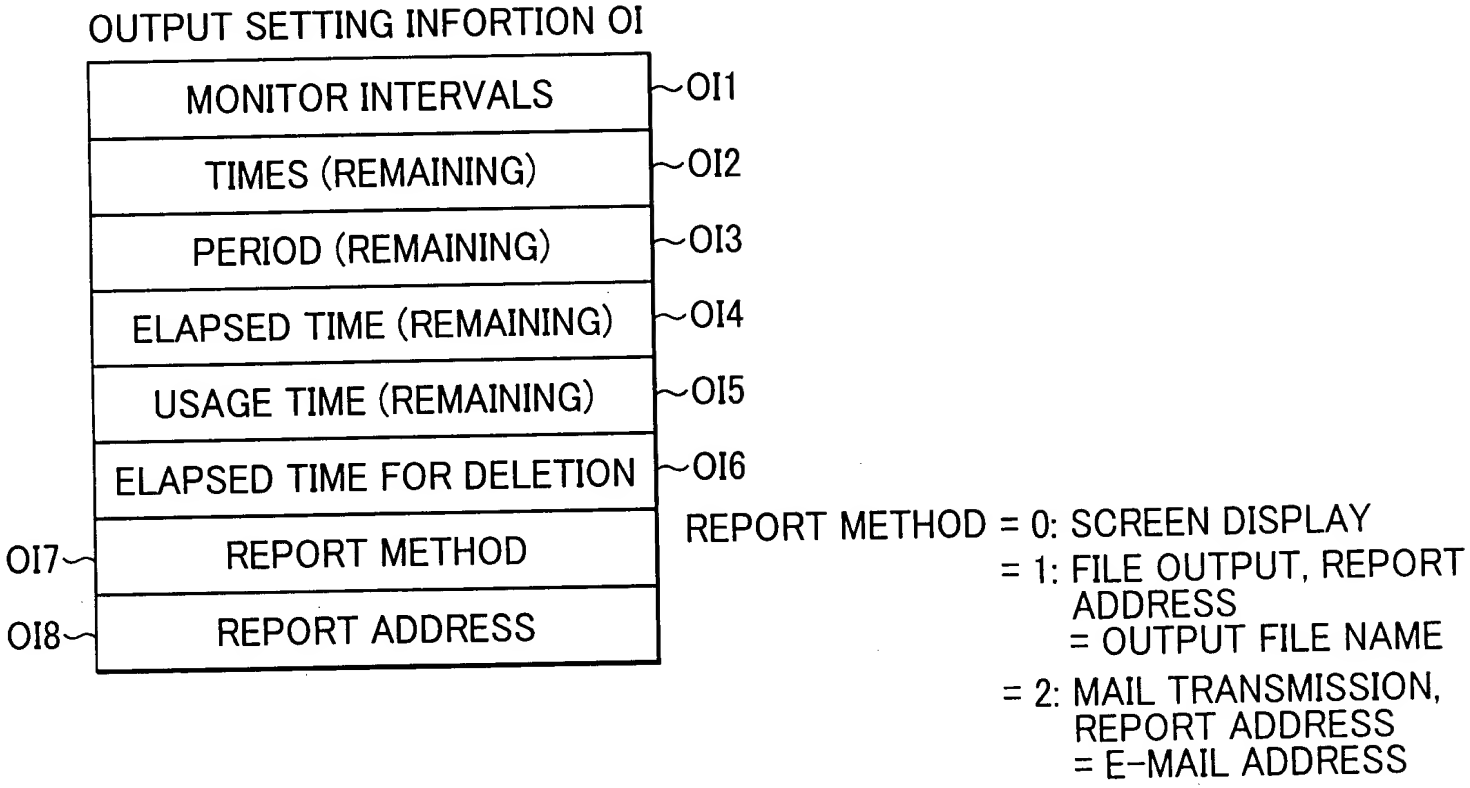

OUTPUT SETTING INFORTION OI
MONITOR INTERVALS
OI1
TIMES (REMAINING)
OI2
PERIOD (REMAINING)
OI3
ELAPSED TIME (REMAINING)
OI4
USAGE TIME (REMAINING)
OI5
ELAPSED TIME FOR DELETION
OI6
OI7
REPORT METHOD
OI8
REPORT ADDRESS
REPORT METHOD = 0: SCREEN DISPLAY
= 1: FILE OUTPUT, REPORT ADDRESS = OUTPUT FILE NAME
= 2: MAIL TRANSMISSION, REPORT ADDRESS = E-MAIL ADDRESS

FIG.6

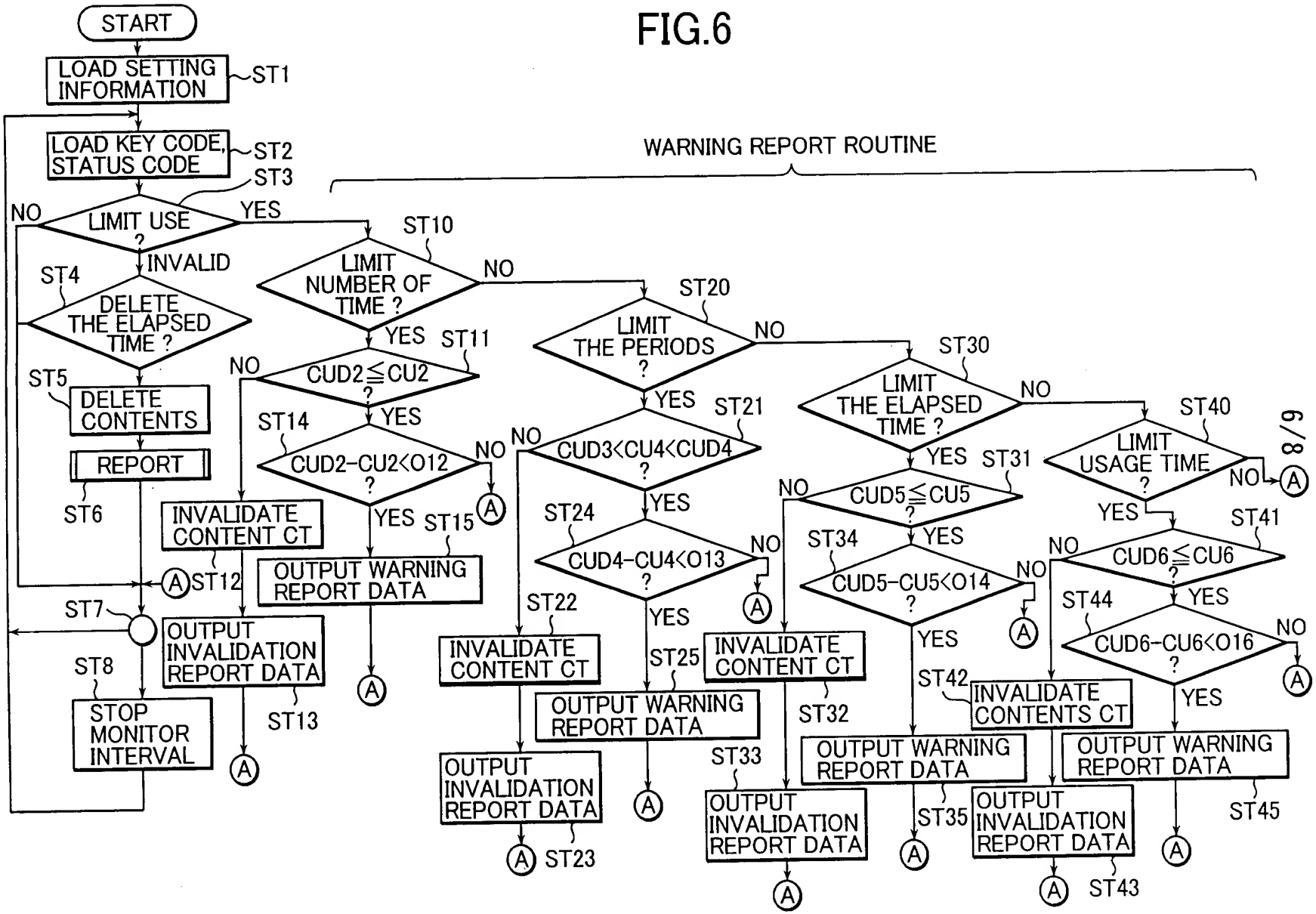

START
LOAD SETTING INFORMATION
ST1
LOAD KEY CODE, STATUS CODE
ST2
ST3
LIMIT USE ?
NO
YES
INVALID
ST4
DELETE THE ELAPSED TIME ?
ST5
DELETE CONTENTS
REPORT
ST6
ST7
OUTPUT INVALIDATION REPORT DATA
ST8
STOP MONITOR INTERVAL
ST13
A
ST12
INVALIDATE CONTENT CT
WARNING REPORT ROUTINE
ST10
LIMIT NUMBER OF TIME ?
ST11
CUD2≦CU2 ?
ST14
CUD2-CU2<O12 ?
ST15
OUTPUT WARNING REPORT DATA
ST20
LIMIT THE PERIODS ?
ST21
CUD3<CU4<CUD4 ?
ST22
INVALIDATE CONTENT CT
ST23
ST24
CUD4-CU4<O13 ?
ST25
OUTPUT WARNING REPORT DATA
ST30
LIMIT THE ELAPSED TIME ?
ST31
CUD5≦CU5 ?
ST32
INVALIDATE CONTENT CT
ST33
OUTPUT INVALIDATION REPORT DATA
ST34
CUD5-CU5<O14 ?
ST35
OUTPUT WARNING REPORT DATA
ST40
LIMIT USAGE TIME ?
ST41
CUD6≦CU6 ?
ST42
INVALIDATE CONTENTS CT
ST43
OUTPUT INVALIDATION REPORT DATA
ST44
CUD6-CU6<O16 ?
ST45
OUTPUT WARNING REPORT DATA

FIG.7

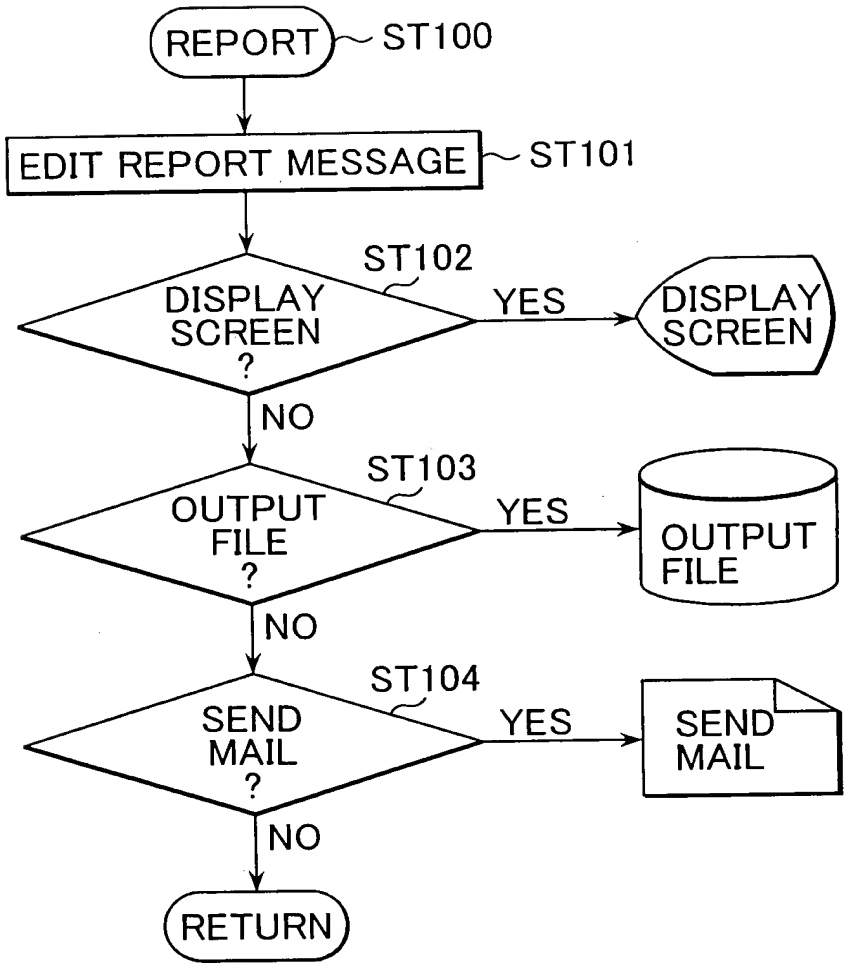
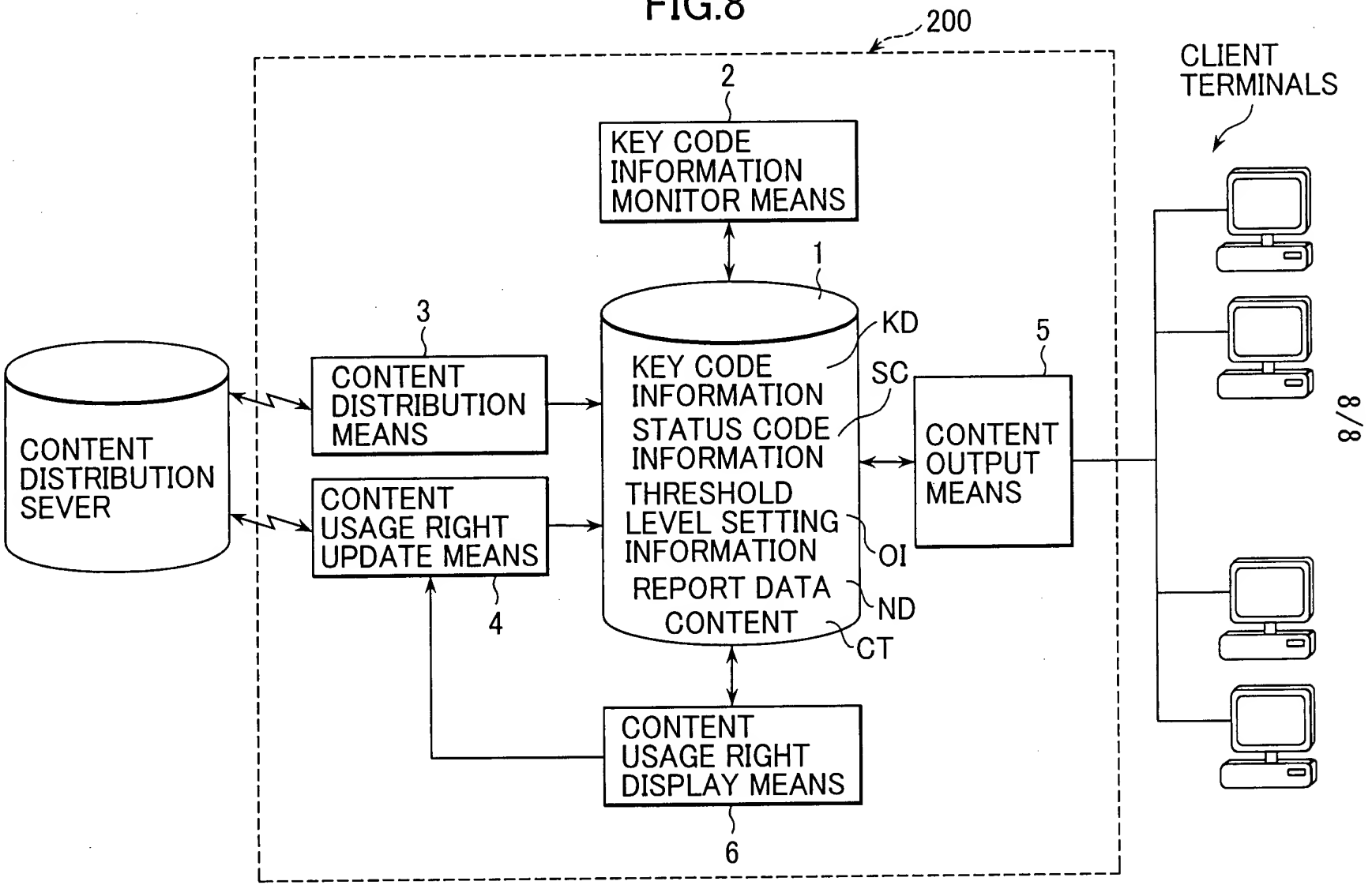

REPORT
ST100
EDIT REPORT MESSAGE
ST101
ST102
DISPLAY SCREEN ?
YES
DISPLAY SCREEN
NO
ST103
OUTPUT FILE ?
YES
OUTPUT FILE
NO
ST104
SEND MAIL ?
YES
SEND MAIL
NO
RETURN

FIG.8


200
2
KEY CODE INFORMATION MONITOR MEANS
1
3
KD
5
KEY CODE INFORMATION
SC
CONTENT DISTRIBUTION MEANS
STATUS CODE INFORMATION
CONTENT OUTPUT MEANS
CONTENT DISTRIBUTION SEVER
CONTENT USAGE RIGHT UPDATE MEANS
THRESHOLD LEVEL SETTING INFORMATION
OI
REPORT DATA
ND
CONTENT
CT
4
CONTENT USAGE RIGHT DISPLAY MEANS
6
CLIENT TERMINALS